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The direction of the wind had been noted during the time of observation, as follows:

Wind east until 9, A. M. From 9, A. M., until 10 $\frac{1}{2}$, A. M., wind S. W. with a little rain. From 10 $\frac{1}{2}$ violent west wind with snow. The clouds gathered like a summer thunder storm. I thought I discovered a faint flash of lightning about 12. Mrs. L. reports to me, that between 6 and 7, P. M., there was a partial remission of the storm. This may account for the sudden elevation of temperature that appears on the record at that time. The greatest violence of the storm was after this time, gradually declining after 11 or 12 o'clock. The snow accompanying this storm was in very fine particles. Probable range of temperature from 10, A. M., 7th Feb., until 8, A. M., 8th Feb., about 70°. Feb. 11th, at 2 $\frac{1}{2}$, P. M., temperature 52°!!

February 19th.

MR. LEA, President, in the Chair.

Thirty-five members present.

A paper was presented for publication, entitled

"Descriptions of new species of Anodonta and Lithasia, by Isaac Lea," which was referred to a committee."

Dr. Slack called the attention of the members to some specimens of mammalia upon the table, viz.:

Anomalurus Beechcroftii (Fraser, P. Z. S.,) 1852, page 11, t. This genus resembles somewhat the American flying squirrel, (*Pteromys*,) but differs in having the greater portion of the tail covered with very short hairs, terminating in a tuft. On the inferior surface of the basal portion are a number of sharp, short spines, projecting downward. These are used by the animal in climbing, somewhat in the manner of climbing irons. This specimen is from Western Africa, collected by Duchaillu.

Belideus flaviventer (*Waterhouse*, Marsupialia, p. 286.) A fine mounted specimen of this species, the Hepoona Roo of the colonists, was exhibited, and the distinction pointed out between the genera *Belideus* and *Acrobates*. This specimen was procured by Dr. Slack of a dealer in Edinburgh, and was said to have been received from New South Wales.

A fine series of the *Aluatta caraya* Slack, (*Simia caraya* Humb., *Mycetes niger* Wied.) Dr. S. stated that the name of *Mycetes* (*Illiger*, *Prodromus*, 1811,) should be replaced by that of *Aluatta*, proposed by Lacepède in his *Tableaux de Classification*, 1799. The series consisted of five specimens, an adult male, entirely black; a very young male and adult female of a golden yellow color; and two nearly adult males, yellow, dashed with black. Two of the specimens were in the collection of the Academy, the others were collected during the recent Paraguay expedition, and are the property of the Smithsonian Institution.

Among the mammals presented by the Smithsonian Institution this evening, he particularized a female of the *Caprovis canadensis* Gray, *Ovis canadensis* Shaw, Nat. Misc., xv., 1790, (*Ovis montana* Ord. Journ. A. N. S., vol. i. page 8, 1817,) and a very large specimen of the *Castor canadensis* Kuhl., measuring three feet five inches from extremity of snout to end of tail.

February 26th.

MR. LEA, President, in the Chair.

Thirty-three members present.

On report of the respective committees, the following were ordered to be printed in the Proceedings:

[Feb.